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Organic Chemistry II Drill (CHEM2220D). Module 2. Sample B. Answer key

Candace M. Lawrence

Xavier University of Louisiana, clawren2@xula.edu

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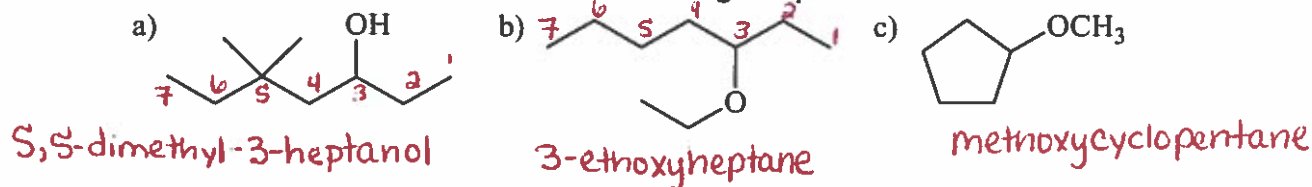
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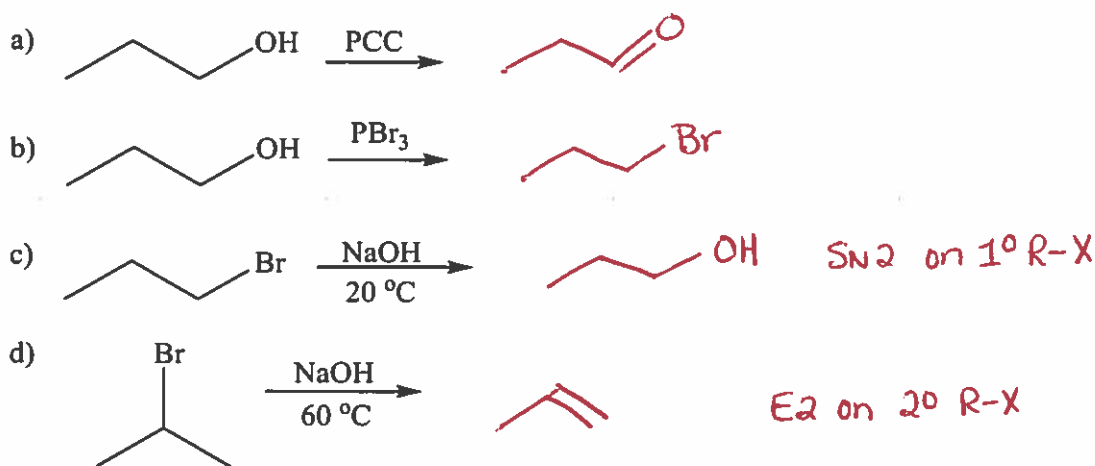
1. Give the IUPAC name of each of the following compounds.



2. Which of the following compounds is the weakest acid? **Atom trend**



3. Predict the product(s) of each of the following reactions.

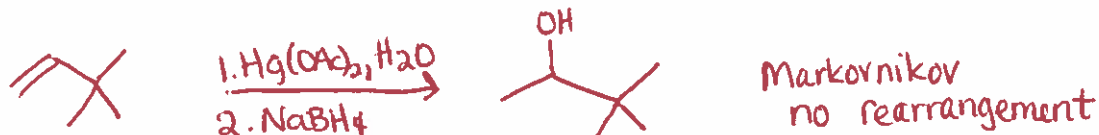


4. Propose a synthesis of each of these compounds starting from 3,3-dimethyl-1-butene and any other needed reagents.

- a) 3,3-dimethyl-1-butanol



- b) 3,3-dimethyl-2-butanol



5. Propose a mechanism for the reaction below using arrows to show electron movement.

